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TITLE : BIODEGRADABLE COMPOSITE MATERIAL

ABSTRACT : PURPOSE: To obtain the subject composite material excellent in water, solvent resistance, airtightness, biodegradability in soil, etc., by coating a vegetable fiber-based substrate with a polyhydroxybutyric acid.polyhydroxyvaleric acid copolymer-based aqueous emulsion.

CONSTITUTION: The objective composite material obtained by coating a substrate made of vegetable fiber as a main raw material with an aqueous emulsion prepared by mixing a polyhydroxybutyric acid.polyhydroxyvaleric acid copolymer as principal component with preferably a carboxylate-based dispersing agent, a natural polymer, such as starch, cellulose or chitin, and derivatives thereof, and a synthetic polymer, such as PVA or polylactic acid.

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